



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090103-C

Mode: Highway

Status: Submitted

US-17

From/Cross Street: SR 1637 (Mill Pond Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1646 (Mile Road)

Project Category: Statewide Mobility

Length: 2.17

TIP#: R-2513C

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,800,000

Description:

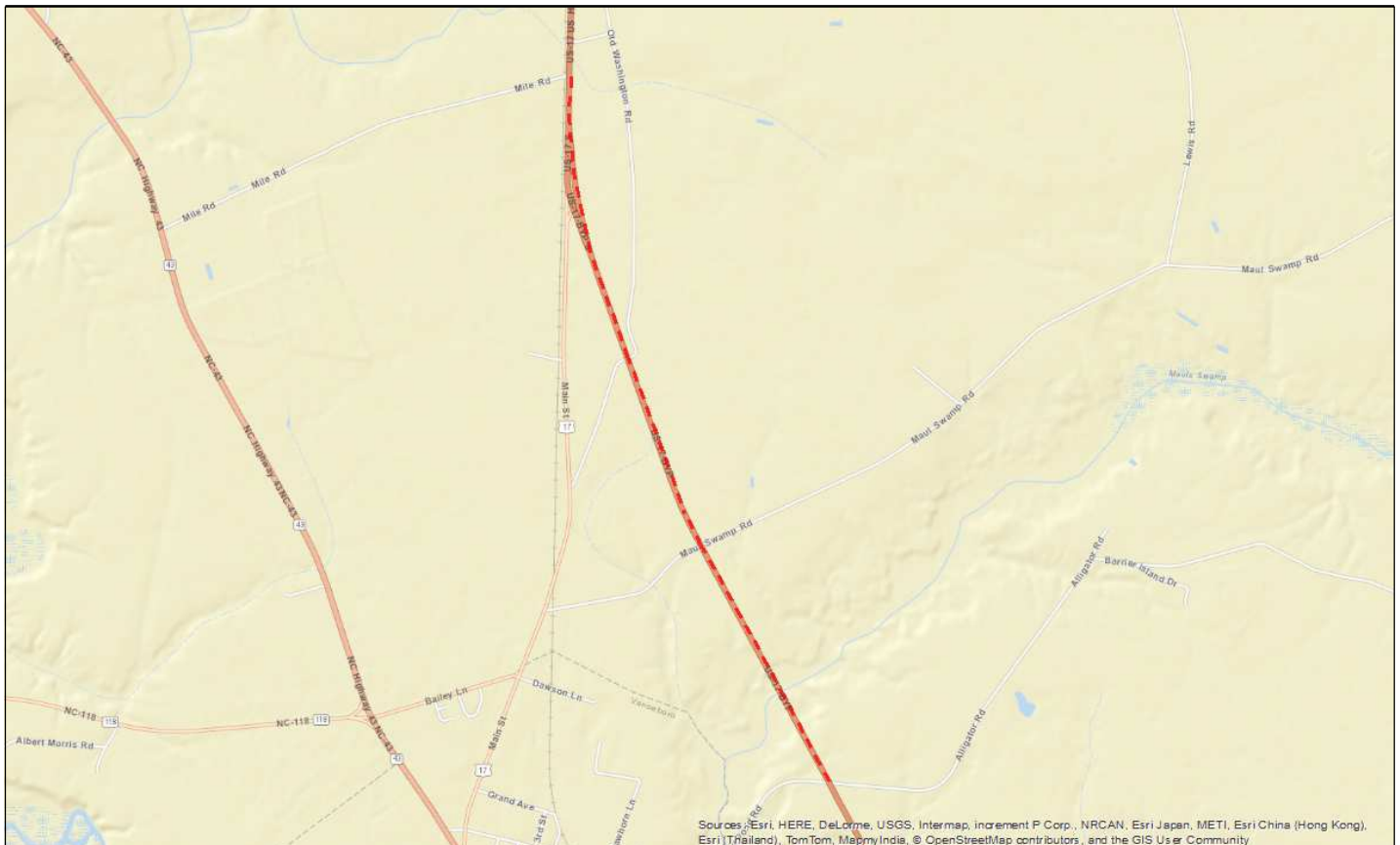
Widen to Multi-Lanes.

Division(s): Division 2

County(s): CRAVEN

MPOS(s)/RPO(s): Down East RPO

Project Location



Statewide Mobility Total Score: 7.4

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Congestion (V/C) (30%) 18.30 | N/A | N/A |
| Safety (10%) 0.00 | | |
| Economic Competitiveness (10%) 0.02 | | |
| Multimodal + [Freight & Military] (20%) 9.51 | | |
| [Travel Time] Benefit/Cost (30%) 0.03 | | |
| Totals: Weight: 100% Weighted Score: 7.4 | | |

Regional Impact Total Score: 16.18

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Safety (25%) 0.00 | Percent: 15% Points: 0 | Percent: 15% Points: 92 |
| [Travel Time] Benefit/Cost (20%) 0.03 | | |
| Multimodal + [Freight & Military] (25%) 9.51 | | |
| Totals: Weight: 70% Weighted Score: 2.38 | | |

Division Needs Total Score: 4.61

| Quantitative Score | Division Engineer Local Input Points | MPO/RPO Local Input Points |
|---|---|-------------------------------|
| Congestion (V/C) (20%) 18.30 | Percent: 25% Points: 0 | Percent: 25% Points: 0 |
| Safety (20%) 0.00 | | |
| Multimodal + [Freight & Military] (10%) 9.51 | | |
| Totals: Weight: 50% Weighted Score: 4.61 | | |

Project Data ***Existing Conditions**

| | |
|---|--------------------------|
| Existing Cross-Section: | |
| Speed Limit: | 55 |
| Length (miles): | 2.17 |
| Facility Type: | Two Lane Highway |
| Access Control: | None |
| Functional Classification: | Other Principal Arterial |
| Terrain Type: | Level |
| Lane Width: | 12 |
| Paved Shoulder Width: | 2 |
| Roadway has Curb & Gutter? | No |
| Volume (AADT): | 4285.68 |
| Capacity: | 15500 |
| Volume/Capacity Ratio: | 0.28 |
| % Autos: | 88% |
| % Trucks: | 12% |
| Truck Volume: | 519.59 |
| Crash Density: | 0 |
| Crash Severity: | 0 |
| Critical Crash Rate: | 0 |
| Crash Frequency: | 0 |
| Severity Index: | 0 |
| County Tier Designation: | 2 |
| Non-Interstate STRAHNET Route? | Yes |
| Average Commuting Time: | 25 |
| Existing Median Type (for Cost Estimation): | Undivided |
| Pavement Condition Rating: | 98 |
| Actual Congested Speed: | 9.14 |
| Travel Time Index: | 0.98 |

Project Benefits

| | |
|--|---|
| Project Cross-Section: | 4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders |
| Speed Limit: | 55 |
| Length (miles): | 2.17 |
| Facility Type: | Multi-Lane Highway |
| Access Control: | Partial |
| Functional Classification: | Other Principal Arterial |
| Terrain Type: | Level |
| DOT Design Lane Width: | 12 |
| DOT Design Paved Shoulder Width: | 2 |
| Travel Time Savings for 30 Years (Total): | 13183.76 |
| Travel Time Savings for 30 Years (Autos): | 11585.39 |
| Travel Time Savings for 30 Years (Trucks): | 1598.37 |
| Long-Term Employment: | 0 |
| % Change in Economy: | 4.7E-07 |
| Provides Direct Connection to Transportation Terminal? | No |
| Does project upgrade how the roadway functions? | Yes |
| In CTP or LRTP? | No |
| CTP/LRTP Name: | |
| CTP/LRTP Completion Year: | |
| Submitted by: | Division 2 |

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

| Division | Percent | Regional Impact | Division Needs |
|------------------------------|----------------|------------------------|-----------------------|
| Division 2 | 100% | 0 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL Division Points | | 0 | 0 |

MPO/RPO

| MPO/RPO | Percent | Regional Impact | Division Needs |
|-----------------------------|----------------|------------------------|-----------------------|
| Down East RPO | 100% | 92 | 0 |
| | 0% | 0 | 0 |
| | 0% | 0 | 0 |
| TOTAL MPO/RPO Points | | 92 | 0 |

Project Cost and Source

| | | |
|------------------------|---------------------|----------|
| Construction Cost: | \$9,800,000 | TIP Unit |
| Right-of-Way Cost: | \$2,000,000 | TIP Unit |
| Utilities Cost: | \$0 | TIP Unit |
| Total Project Cost: | \$11,800,000 | |
| Other Funding: | \$0 | None |
| Cost to NCDOT : | \$11,800,000 | |